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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/665,799

09/18/2003

Bruce M. Russell

IR 6320-00

6143

23909 7590 10/24/2007  
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EXAMINER

GUIDOTTI, LAURA COLE

ART UNIT

PAPER NUMBER

3723

MAIL DATE

DELIVERY MODE

10/24/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Examiner-Initiated Interview Summary</b>	<b>Application No.</b> 10/665,799	<b>Applicant(s)</b> RUSSELL, BRUCE M.	
	<b>Examiner</b> Laura C. Guidotti	<b>Art Unit</b> 3723	

**All Participants:**

(1) Laura C. Guidotti.

(2) Michael Wallace.
**Status of Application: Final**

(3) \_\_\_\_\_.

(4) \_\_\_\_\_.

**Date of Interview:** 22 October 2007
**Time:** 5:45 pm
**Type of Interview:**

- ☒ Telephonic  
☐ Video Conference  
☐ Personal (Copy given to: ☐ Applicant ☐ Applicant's representative)

**Exhibit Shown or Demonstrated:** ☐ Yes ☒ No

If Yes, provide a brief description:

**Part I.**
**Rejection(s) discussed:**

n/a

**Claims discussed:**

n/a

**Prior art documents discussed:**
*"Attachmant A" (taken from Ivory, US 5,836,036)*
**Part II.**
**SUBSTANCE OF INTERVIEW DESCRIBING THE GENERAL NATURE OF WHAT WAS DISCUSSED:**
*Examiner left a telephonic voicemail message for Mr. Wallace indicating that "Attachment A" was inadvertently not mailed with the Final Rejection mailed on 22 October 2007. "Attachment A" is presently attached to the Interview Summary.*
**Part III.**

- ☐ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview directly resulted in the allowance of the application. The examiner will provide a written summary of the substance of the interview in the Notice of Allowability.  
☒ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview did not result in resolution of all issues. A brief summary by the examiner appears in Part II above.

  
 (Examiner/SPE Signature)

(Applicant/Applicant's Representative Signature – if appropriate)



US005836036A

**United States Patent** [19][11] **Patent Number:** **5,836,036****Ivory**[45] **Date of Patent:** **Nov. 17, 1998**[54] **SELF CLEANING TOOTHBRUSH**[76] **Inventor:** **Brian Ivory, 38 S. Meridian Rd.,  
Youngstown, Ohio 44509**

2,676,350	4/1954	Bressler	15/167.1
2,730,747	1/1956	Bressler	15/201
4,423,531	1/1984	Wall	15/201
5,201,092	4/1993	Colosa	15/167.1
5,269,038	12/1993	Bradley	15/167.1

[21] **Appl. No.:** **880,139****FOREIGN PATENT DOCUMENTS**[22] **Filed:** **Jun. 20, 1997**

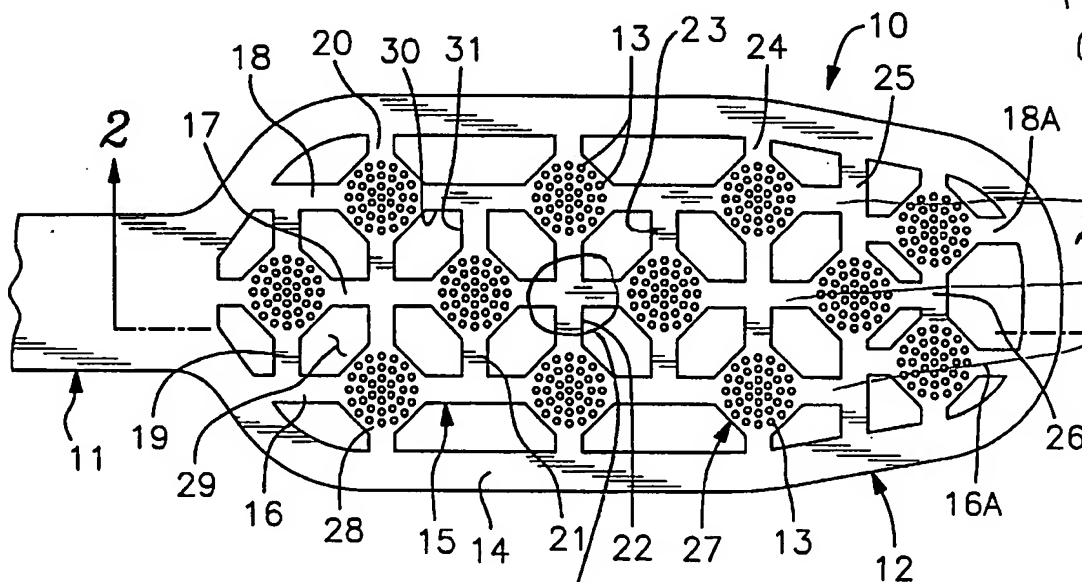
810389	8/1951	Germany	15/160
9217093	10/1992	WIPO	15/167.1

[51] **Int. Cl.<sup>6</sup>** ..... **A46B 9/04**[52] **U.S. Cl.** ..... **15/167.1; 15/205.2**[58] **Field of Search** ..... **15/171, 167.1,  
15/201, 159.1, 160, 205.2****Primary Examiner**—Randall E. Chin**Attorney, Agent, or Firm**—Harpman & Harpman[57] **ABSTRACT**

A toothbrush that provides for improved cleaning after use by enhanced flow through the design. Brush bristles are positioned in spaced groups which are surrounded by open flow through areas that allows for a low surface area to opening ratio to ensure that each bristle group is thoroughly flushed with water during cleaning to dislodge used toothpaste.

[56] **References Cited****U.S. PATENT DOCUMENTS**

D. 33,070	8/1900	Hamilton	15/159.1
D. 282,318	1/1986	Herzfeld	
300,422	9/1884	White	
2,172,624	9/1939	Romani	15/167.1
2,438,268	3/1948	Bressler	
2,582,552	1/1952	Marco	15/171
2,628,377	2/1953	Cockriel	15/167.1

**9 Claims, 2 Drawing Sheets**

"19-26"  
are transverse  
support members

"16-18"  
are  
lateral  
support  
members

example of one  
region where  
a transverse support  
member + lateral support  
member form  
substantially right  
angles